Performance Data Sheet

HGA5510BXD

General Information

Model	HGA5510BXD	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	5810			
	Watts (Power)				
	Amps	3.74			
	Lb/h	79.6			
-23.3	Btu/h	5970	6350		
	Watts (Power)				
	Amps	3.75	3.53		
	Lb/h	81.8	87.0		
-20	Btu/h	6310	6300		
	Watts (Power)				
	Amps	3.77	3.64		
	Lb/h	86.4	86.3		
-15	Btu/h	6920	6450	6720	
	Watts (Power)	205	290	386	
	Amps	3.81	3.79	4.34	
	Lb/h	94.8	88.3	92.1	
-10	Btu/h	7660	6900	6670	7080
	Watts (Power)	515	614	722	859
	Amps	3.83	3.94	4.58	5.30
	Lb/h	105	94.5	91.4	97.0
-6.7	Btu/h	8250	7370	6910	6950
	Watts (Power)	636	745	862	1010
	Amps	3.82	4.02	4.73	5.50
	Lb/h	113	101	94.6	95.2
-5	Btu/h	8580	7670	7120	6990
	Watts (Power)	677	792	914	1070
	Amps	3.81	4.05	4.80	5.60
	Lb/h	117	105	97.5	95.8
0	Btu/h	9690	8810	8080	7590
	Watts (Power)	729	862	1000	1170
	Amps	3.75	4.12	4.98	5.85
	Lb/h	133	121	111	104

5	Btu/h	11000	10300	9600	8890
	Watts (Power)	712	866	1030	1210
	Amps	3.62	4.12	5.09	6.06
	Lb/h	151	142	131	122
7.2	Btu/h	11700	11100	10400	9700
	Watts (Power)	692	856	1030	1220
	Amps	3.53	4.10	5.12	6.12
	Lb/h	160	153	143	133
10	Btu/h	12600	12300	11700	10900
	Watts (Power)	663	841	1020	1230
	Amps	3.40	4.05	5.13	6.18
	Lb/h	173	168	160	150
15	Btu/h	14500	14700	14400	13800
	Watts (Power)	623	827	1030	1270
	Amps	3.09	3.88	5.07	6.22
	Lb/h	199	201	197	189

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.235319E+04	1.686916E+02	1.018595E+01	1.692242E+02
C2	-6.019458E+01	-1.107291E+01	-1.287017E-01	-8.249428E-01
C3	-7.254388E+01	2.682224E+01	-4.962585E-01	-9.938582E-01
C4	-5.219113E+00	-1.559110E+00	-1.514415E-03	-7.154550E-02
C5	1.610328E+01	4.735219E-01	4.396298E-03	2.206197E-01
C6	-9.725184E-01	-3.730652E-01	1.170523E-02	-1.332075E-02
C7	3.918988E-02	5.248570E-02	-2.179101E-05	5.379182E-04
C8	3.247702E-01	5.229032E-03	6.463504E-06	4.449527E-03
C9	-1.991849E-01	-1.107810E-03	-2.467426E-05	-2.728906E-03
C10	1.429190E-02	3.400777E-03	-7.728861E-05	1.957730E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature